



United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



IN REPLY REFER TO: MT-450

December 31, 2014

FAXOGRAM: Water Order Change

To: Chief, Power Supply and Billing Division, WAPA, Watertown, South Dakota
Attention: F-6300
Chief, Power Dispatching Branch, WAPA, Loveland, Colorado
Attention: J-4120
Facilities Manager, Helena, Montana
Attention: MT-800, MT-810, MT-831
Project Manager, Mills, Wyoming
Attention: WY-4000, WY-4100, WY-6400
PPL Energy Plus, LLC, Butte, Montana
Attention: Resource Coordinator, Deb Mullooney

From: Reservoir and River Operations, Billings, Montana /S/ Stephanie Micek

Subject: **Canyon Ferry Water Release Order - CFR No. 15-04**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3788.56; Storage: 1,617,815 acre-feet; River Release: 5,000 cfs; Inflow: 2,130 cfs;

GENERAL COMMENTS:

Releases to the Missouri River will be reduced as temperatures are anticipated to return to near normal conditions. Based on preliminary runoff forecasts, it appears releases out of Canyon Ferry will be maintained near 4,700 cfs to meet targeted reservoir elevations by early spring. Starting on January 5th maintenance on Unit No. 1 will begin therefore turbine releases will be restricted and limited to a 2-unit capacity. In response, the following operation change is required at Canyon Ferry Dam and Powerplant.

CANYON FERRY RELEASES AND OPERATIONS: Times are Mountain Daylight Savings Time (MDST)

At 0900 hour on Sunday, January 4, 2015:

Maintain releases through the river outlet gates at 0 cfs.
Maintain releases through the spillway gates at 0 cfs.
Decrease turbine release to \approx 4,850 cfs (\approx 1,191 MW-Hrs/day using 97.7 cfs/mw).
Maintain release for Helena Valley Project at 0 cfs.
Decrease release to the Missouri River to 4,850 cfs.
Decrease total release from Canyon Ferry to 4,850 cfs.

During 0900 hour on Monday, January 5, 2015 through 1600 hours on Thursday, January 22, 2015:

Increase releases through the river outlet gates to 1,275 cfs.
Maintain releases through the spillway gates at 0 cfs.
Decrease turbine release to \approx 3,425 cfs (\approx 841 MW-Hrs/day using 97.7 cfs/mw).
Maintain release for Helena Valley Project at 0 cfs.
Decrease release to the Missouri River to 4,700 cfs.
Decrease total release from Canyon Ferry to 4,700 cfs.

Special Note: On January 5th, adjust releases through turbines to near full powerplant capacity (approximately 17.5 MW per unit). If turbine capacity is more or less than shown above, it may be necessary to increase or decrease releases through the river outlet gates #1 and #2 to maintain a total release of 4,700 cfs out of Canyon Ferry.